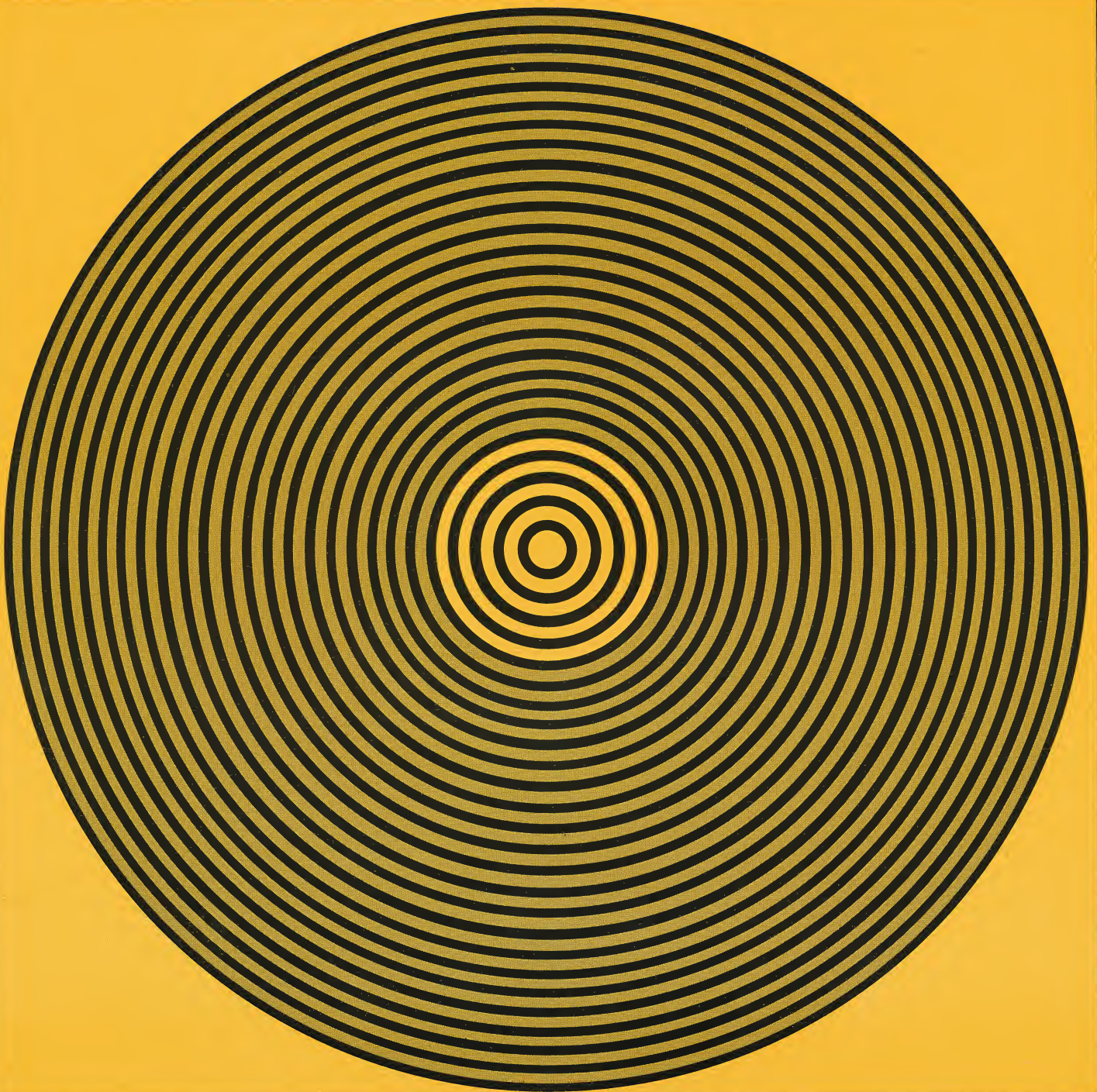
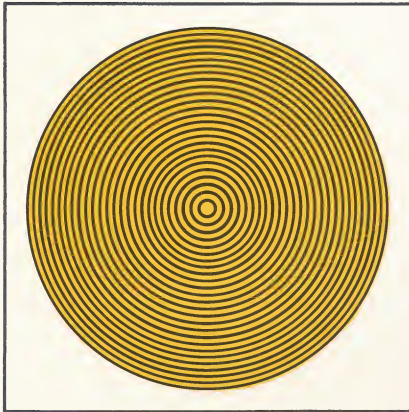


ANELEX RANDOM ACCESS DISK FILES

- ▲ PROVEN RELIABILITY
- ▲ CARTRIDGE LOADED
- ▲ INDIVIDUAL OR MULTIPLE OPERATION
- ▲ COMPLETE INTERCHANGEABILITY BETWEEN KITS AND FILES
- ▲ CAPACITY: 24,000,000 OR 60,000,000 BITS/KIT
- ▲ ERROR RATE LESS THAN ONE IN 10^9 BITS





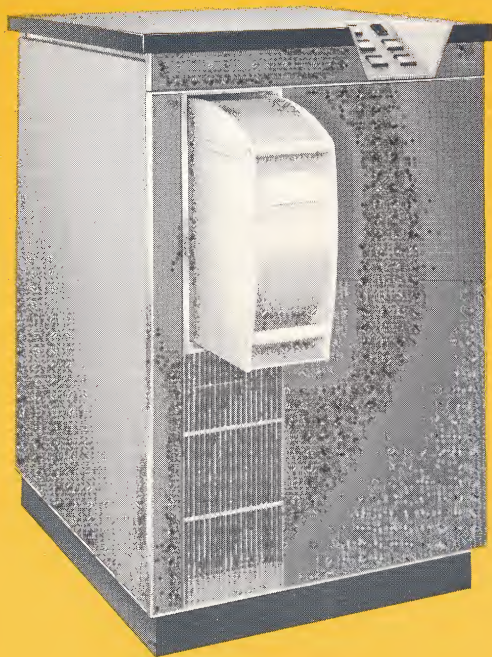
80 AND 81 SERIES RANDOM ACCESS DISK FILES

Unlimited capacity and fast access time are provided by interchangeable Disk Kits. Access time, data packing and Disk Kit capacity are balanced to make these units adaptable to the requirements of most medium and small scale data processing systems.

Each kit contains 6 disks with a storage capacity of 60,000,000 bits (81 Series), or 24,000,000 bits (80 Series). Because kits can be put in place and removed in just a few moments, there is no limit to the amount of information which can be stored. Kits are so designed that the disk package provides cover and protection for the disks when they are out of the machine.

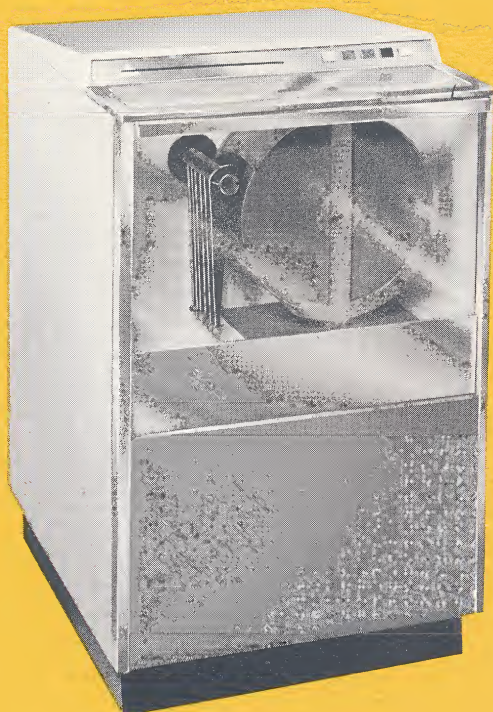
The machine contains the Head Array and control electronics, as well as the mechanical unit which handles the Disk Kit. When a Disk Kit is inserted, the disks are automatically readied for operation.

Organization of data storage is in terms of tracks, sectors and records. In the 81 Series File there are 200 concentric tracks per disk surface which are accessed by a single read/write/erase head through positioner motion. The lower capacity Model 80 Series has 100 tracks. In either Model the number of sectors may range from one to 16 per disk. They may vary in number from Disk Kit to Disk Kit, but must be uniform within a single kit. By definition, therefore, a record is the maximum amount of data which may be recorded on a track within a sector.



80 SERIES

The Anelex 80 Series is a low cost, high performance random access memory system for medium to small scale data processing systems and sub-systems. Access time, data packing, and disk kit capacity are balanced to permit maximum effectiveness with low cost, low capacity processors. Flexibility in system usage in terms of data organization and handling is emphasized to enhance the thru-put power of modern small scale data processing systems.



81 SERIES

The Anelex 81 Series was developed by Anelex Corporation to provide data handling systems with a greater capacity level for random access data storage. The new Anelex 81 Series Random Access Disk File almost triples the capacity of the Anelex 80 Series. It permits lower price per bit of data stored.

The new 81 Series represents an entirely new generation of Anelex Random Access Disk Files, while at the same time having a mechanical design much in common with the time-proven 80 Series.

SPECIFICATIONS

80 SERIES

DISK KIT HANDLER

File Capacity

Recording System	PM-2
Bits/Track	20,000
Bits/Disk Surface	2,000,000
Bits/Disk	4,000,000
Bits/Disk Kit	24,000,000

Number of Movable

Read/Write/Erase Heads

Per Surface	1
Per Disk	2
Per Handler	12

Positioning Time100 msec.

Rotational Speed

2400 rpm (nominal)
25.0 msec./revolution
12.5 average latency

Transfer Rate

Data (nominal)	400 KC, 2 lines parall.
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Track Dimensions

Stroke of Head Array	2.0" nominal
Pitch (Center to Center)	0.020" nominal
Read/Write Width	0.010" nominal
Erase Width	0.018" nominal

Number of Sectors

Per Track	1-16 optional
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Recording Density

Flux Reversals/Inch	1060 maximum
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Power Consumption

208 VAC, 3 phase, 60 cyc, 4-wire
1KW, 1400 VA, 3413 BTU/HR
Disk Files can be provided for 50 cyc.
power, optionally

Weight 500 lbs.

Size

Length	31 ³ / ₄ "
Width	26 ³ / ₄ "
Height	42 ³ / ₄ "

ENVIRONMENTAL CONDITIONS

Operating

65°F Min., 90°F Max., 40%-80% RH

Shipping & Storage

-20°F Min., 140°F Max., 98% RH, Max.

DISK KIT

Size

Length	15 ³ / ₄ "
Width	5 ³ / ₄ "
Height	16 ¹ / ₈ "

Weight — 15 lbs.

DISKS

Size	14" dia.
Number	6
Recording Surfaces	12
No. Tracks/Surface	100
Track Pitch	0.020"

81 SERIES

DISK KIT HANDLER

File Capacity

Recording System	PM
Bits/Track	25,000
Bits/Disk Surface	5,000,000
Bits/Disk	10,000,000
Bits/Disk Kit	60,000,000

Number of Movable

Read/Write/Erase Heads

Per Surface	1
Per Disk	2
Per Handler	12

Positioning Time100 msec.

Rotational Speed

rpm (nominal)	1800
Max./Revolution	33.3
Avg. Latency	16.6

Transfer Rate

Data (nominal)	750 KC. Bit Serial
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Track Dimensions

Stroke of Head Array	2.0" (nom.)
Pitch (center to center)	0.010"
Read/Write Width	0.007"
Erase Width	0.010"

Number of Sectors

Per Track	1-16 Opt.
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Recording Density

Bits	883 (max.)
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Power Consumption

Disk Files can be provided for	
50 cyc. power, optionally	208 VAC, 3 phase,
	60 cyc., 4-wire, 1 KW,
	1400 VA, 3413 BTU/HR.

Weight

500 lbs.

Size

Length	30 ¹ / ₂ "
Width	26"
Height	44 ³ / ₄ "

ENVIRONMENTAL CONDITIONS

Operating	65°F Min.
	90°F Max.
	40%-80% RH

Shipping & Storage	-20°F Min.
	140°F Max.
	90% RH, Max.

DISK KIT

Size

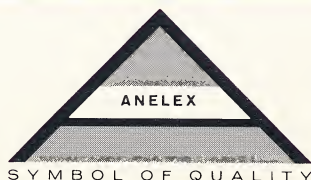
Length	14 ³ / ₄ "
Width	6 ¹ / ₄ "
Height	15 ³ / ₄ "

Weight

15 lbs.

DISKS

Size	14" (dia.)
Number	6
Recording Surfaces	12
No. Tracks/Surface	200
Track Pitch	0.010"



ANELEX CORPORATION

150 CAUSEWAY STREET • BOSTON, MASSACHUSETTS • 02114
TELEPHONE 617-742-4585 • TWX: 617-451-3953 • CABLE: ANELEX, BOSTON